

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re the Application of:

BRANT L. CANDELORE

Application No.: 09/437,590

Filed: November 9, 1999

For: **Method For Simulcrypting Scrambled
Data to A Plurality of Conditional Access
Devices**

Art Group: 3621

Examiner: John M. Winter

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08 or PTO-1449, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed). This IDS and IDS Citation Form are being submitted concurrently with the Request for Continued Examination. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

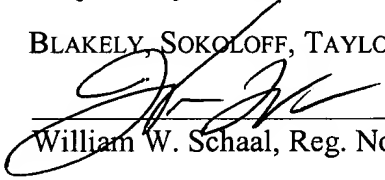
The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Applicant has concurrently submitted an electronic Information Disclosure Statement(s). Any fees that are required for submission of an Information Disclosure Statement were included in the electronic submission. Applicant respectfully requests that one submitted fee be accepted for the second and any subsequent Information Disclosure Statement submissions.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Date: December 22, 2004



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I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



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Sheet 1 of 4

Complete if Known

Application Number	09/437,590
Filing Date	November 9, 1999
First Named Inventor	Candelore, Brant
Group Art Unit	3621
Examiner Name	Winter, John

Attorney Docket No: 80398P217

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
	US-3,852,519	12/03/1974	Court, Patrick R.	178	5.1	10/20/1972
	US-4,521,853	06/04/1985	Gutttag, Karl M.			06/30/1982
	US-4,634,808	01/06/1987	Moerder, Karl E.			03/15/1984
	US-4,739,510	04/19/1988	Jeffers, John M., et al.	380	15	04/02/1987
	US-4,802,215	01/31/1989	Arthur, G. M.	380	21	03/15/1985
	US-4,815,078	03/21/1989	Shimura, Kazuo			03/31/1987
	US-4,887,296	12/12/1989	Horne, Donald R.			10/16/1987
	US-4,944,006	07/24/1990	Citta, Richard W., et al.	380	20	04/25/1989
	US-4,995,080	02/19/1991	Bestler, Caitlin B., et al.	380	21	07/16/1990
	US-5,018,197	05/21/1991	Jones, Gary A., et al.	380	20	07/30/1990
	US-5,091,936	02/25/1992	Ron, D. K., et al.	380	19	01/30/1991
	US-5,247,575	09/21/1993	Sprague, Peter J., et al.	380	9	04/24/1992
	US-5,325,432	06/28/1994	Gardeck, K., et al.	380	21	06/28/1994
	US-5,327,502	07/05/1994	Katata, Hiroyuki			01/16/1992
	US-5,420,866	05/30/1995	Wasilewski, Anthony J., et al.	370	110.1	05/30/1995
	US-5,528,608	06/18/1996	Shimizume, Kazutoshi			04/07/1995
	US-5,535,276	07/09/1996	Ravi, G.	380	25	11/09/1994
	US-5,539,823	07/23/1996	Martin, Thomas F., et al.	380	20	07/27/1994
	US-5,555,305	09/10/1996	Robinson, Adrian P., et al.	380	14	06/13/1994
	US-5,561,713	10/01/1996	Suh, Jin-Woo	380	10	07/18/1994
	US-5,582,470	12/10/1996	Yu, I-Ke			09/12/1995
	US-5,600,721	02/04/1997	Kitazato, Naohisa			07/27/1994
	US-5,606,359	02/25/1997	Youden, John J., et al.	387	7	06/30/1994
	US-5,608,448	03/04/1997	Smoral, Vincent J., et al.	348	7	03/04/1997
	US-5,629,981	05/13/1997	Nerlikar, Virupax M.			07/29/1994
	US-5,717,814	02/10/1998	Abecassis, Max	386	46	09/16/1994
	US-5,742,680	04/21/1998	Jerrell, W.	380	16	04/21/1998
	US-5,742,681	04/21/1998	Giachetti, Jean-Luc, et al.	380	20	04/04/1995

EXAMINER**DATE CONSIDERED**

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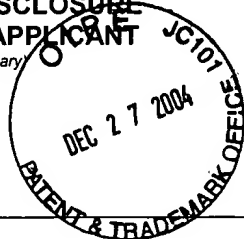
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Examiner Name	Winter, John

Sheet 2 of 4

Attorney Docket No: 80398P217

	US-5,751,280	05/12/1998	Abbott, Michael J., et al.	345	302	12/11/1995
	US-5,751,813	05/12/1998	Dorenbos, David	380	49	04/29/1996
	US-5,754,650	05/19/1998	Katznelson, Ron D.	380	15	05/03/1995
	US-5,757,417	05/26/1998	Aras, Caglan M., et al.	348	10	09/23/1997
	US-5,805,700	09/08/1998	Nardone, Joseph M., et al.	380	10	10/15/1996
	US-5,809,147	09/15/1998	De Lange, Martin K., et al.	380	28	08/14/1997
	US-5,815,146	09/29/1998	Youden, John J., et al.	345	327	09/16/1996
	US-5,818,934	10/06/1998	Cuccia, David W.			12/18/1996
	US-5,825,879	10/20/1998	Davis, Derek L.			09/30/1996
	US-5,852,290	12/22/1998	Chaney, John W.			01/30/1997
	US-5,894,320	04/13/1999	Vancelette, Paul D.	348	7	05/29/1996
	US-5,894,516	08/13/1999	Brandenburg, Barbara B.	380	4	07/10/1996
	US-5,915,018	06/22/1999	Aucsmith, David W.	380	4	11/05/1996
	US-5,922,048	07/13/1999	Eumura, Koichi	709	219	12/11/1998
	US-5,933,500	08/03/1999	Blatter, Harold, et al.			11/27/1996
	US-5,973,679	10/26/1999	Abbott, Michael J., et al.	345	302	03/31/1997
	US-5,999,622	12/07/1999	Yasukawa, Hiroshi, et al.	380	4	11/22/1995
	US-5,999,698	12/07/1999	Nakai, Masatoshi, et al.	386	125	09/30/1997
	US-6,005,561	12/21/1999	Hawkins, William, et al.	345	327	12/14/1994
	US-6,011,849	01/04/2000	Orrin, Steven M.	380	42	08/28/1997
	US-6,012,144	01/04/2000	Pickett, Thomas E.	713	201	10/01/1997
	US-6,021,199	02/01/2000	Isibashi, Yasuhiro	380	10	10/17/1997
	US-6,049,613	04/11/2000	Markus, J.	380	47	01/13/1998
	US-6,057,872	05/02/2000	Candelore, Brant	348	3	07/09/1997
	US-6,058,186	05/02/2000	Enari, Masahiko	380	10	09/29/1998
	US-6,064,748	05/16/2000	Hogan, Josh	382	100	01/16/1998
	US-6,065,050	05/16/2000	DeMoney, Michael A.	709	219	06/05/1996
	US-6,072,873	06/06/2000	Bewick, Simon	380	217	03/03/1998
	US-6,118,873	09/12/2000	Lotspiech, Jeffrey B., et al.			04/24/1998
	US-6,185,369	02/06/2001	Ko, Jung-Wan, et al.	386	125	09/16/1997
	US-6,204,843	03/20/2001	Freeman, Michael J., et al.	345	327	10/28/1999

EXAMINER**DATE CONSIDERED**

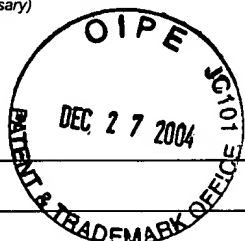
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Group Art Unit	3621
Examiner Name	Winter, John

Sheet 3 of 4

Attorney Docket No: 80398P217

	US-6,215,484	04/10/2001	Freeman, Michael J., et al.	345	327	10/28/1999
	US-6,229,895	05/08/2001	Son, Yong H., et al.	380	200	03/12/1999
	US-6,278,783	08/21/2001	Kocher, Paul C., et al.			06/03/1999
	US-6,289,455	09/11/2001	Kocher, Paul C., et al.			09/02/1999
	US-6,307,939	10/23/2001	Jean-Pierre, V.	380	210	02/19/1999
	US-6,311,012	10/30/2001	Cho, Jae-Ryong, et al.	386	98	06/20/1997
	US-6,330,672	12/11/2001	David, Hilton S.	713	176	06/30/1998
	US-6,378,130	04/23/2002	Adams, Michael B.	725	95	10/20/1997
	US-6,415,101	07/02/2002	deCarmo, Linden A., et al.	386	105	07/27/1998
	US-6,430,361	08/06/2002	Lee, Hee-Soo	386	98	11/25/1997
	US-6,449,718	09/10/2002	Rucklidge, William J., et al.	713	168	08/09/1999
	US-6,459,427	10/01/2002	Mao, Weidong, et al.	345	327	04/01/1998
	US-6,463,152	10/08/2002	Takahashi, Masayuki	380	201	02/25/1999
	US-6,466,671	10/15/2002	Maillard, Michel, et al.			09/21/1999
	US-6,510,554	01/21/2003	Gordon, Donald F., et al.	725	90	04/27/1998
	US-6,519,693	02/11/2003	Debey, Henry C.			07/21/1997
	US-6,529,526	03/04/2003	Schneidewend, Daniel Richard			11/12/1998
	US-6,543,053	04/01/2003	Li, Victor O., et al.	725	88	11/20/1997
	US-6,587,561	07/01/2003	Sered, Yishai, et al.	380	241	02/04/1999

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²
	JP-JP11159162	06/15/1999	Oba,			
	JP-JP11243534	10/08/2002	Takahashi,			
	WO-WO00/31964	06/02/2000	Jandel, Magnus, et al.			

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"McCormac Hack Over Cabledem", HackWatch, http://www.hackwatch.com/cabledembook.html , (08/10/1998),	
		"Message Authentication with Partial Encryption", Research disclosure RD 296086, (12/10/1998),	

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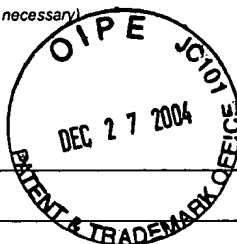
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		"Metro Media PVR-DVD-MP3-Web", <u>Internet publication from www.metrolink.com, (undated),</u>	
		"New Digital Copy protection Proposal Would Secure Authorized Copies", <u>PR Newswire, (11/13/1998), 1-3</u>	
		AGI, ISKENDER, et al., "An Empirical Study of Secure MPEG Video Transmissions", <u>IEEE, Proceedings of SNDSS '96, (1996), 137-144</u>	
		ALATTAR, ADNAN, et al., "Evaluation of Selective Encryption Techniques for Secure Transmission of MPEG-Compressed Bit-Streams", <u>IEEE, (1999), IV-340 to IV-343</u>	
		ALATTAR, ADNAN M., et al., "Improved Selective Encryption Techniques for Secure Transmission of MPEG Video Bit-Streams", <u>IEEE, (1999), 256-260</u>	
		DITTMANN, JANA, et al., "Multimedia and Security Workshop at ACM Multimedia", <u>Bristol, U.K., (September 1998),</u>	
		DONDETI, LAKSHMINATH R., et al., "A Dual Protocol for Scalable Secure Multicasting", <u>1999 International Symposium on Computers and Communication, 6-8 July, 1999., (July 1999),</u>	
		KUNKELMANN, THOMAS, "Applying Encryption to Video Communication", <u>Multimedia and Security Workshop at ACM Multimedia '98. Bristol, U.K., (September 1998), 41-47</u>	
		QIAO, LINTIAN, et al., "Comparison of MPEG Encryption Algorithms", <u>Department of Computer Science, University of Illinois at Urbana-Champaign, (01/17/1998), 1-20</u>	
		SHI, CHANGGUI, et al., "An Efficient MPEG Video Encryption Algorithm", <u>1998 IEEE, Department of Computer Sciences, Purdue University, West Lafayette, IN, 381-386</u>	
		SPANOS, GEORGE A., et al., "Performance Study of a Selective Encryption Scheme for the Security of Networked, Real-Time Video", <u>IEEE, (1995), 2-10</u>	
		TAYLOR, JIM, "DVD Demystified - The Guidebook for DVD-Video and DVD-ROM", <u>Pub. McGraw-Hill, ISBN: 0-07-064841-7, pages 134-147, (1998), 134-147</u>	
		WU, S. FELIX, et al., "Run-Time Performance Evaluation for a Secure MPEG System Supporting Both Selective Watermarking and Encryption", <u>submitted to JSAC special issue on Copyright and Privacy Protection, (03/01/1997),</u>	
		ZENG, WENJUN, et al., "Efficient Frequency Domain Video Scrambling for Content Access Control", <u>In Proc. ACM Multimedia, (November 1999),</u>	

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